

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claim 1 (currently amended): A method for cleaning a media drive transducer head, comprising:

determining a longitudinal end of data on a cleaning tape, the data associated with a previous cleaning process;

transporting a portion of [[a]] the cleaning tape over a transducer head under a first set of conditions, the first set of conditions associated with a cleaning process of the transducer head; and

transporting the portion of the cleaning tape over the transducer head under a second set of conditions, the second set of conditions associated with a writing process.

Claim 2 (cancelled)

Claim 3 (currently amended): The method of claim [[2]] 3, wherein the portion of the cleaning tape transported over the transducer head under the first set of conditions associated with the cleaning process is located adjacent the longitudinal end of data on the cleaning tape.

Claim 4 (original): The method of claim 1, wherein the first set of conditions and the second set of conditions vary at least in the speed of the cleaning tape relative to the transducer head.

Claim 5 (original): The method of claim 1, wherein the speed of the cleaning tape under the first set of conditions is less than the speed of the cleaning tape under the second set of conditions.

Claim 6 (original): The method of claim 1, wherein the transducer head is moved according to a predefined algorithm under the first set of conditions.

Claim 7 (original): The method of claim 1, wherein the writing process includes writing data to the portion of the cleaning tape used in the cleaning process.

Claim 8 (original): The method of claim 1, wherein a tone is written during the writing process.

Claim 9 (original): A computer readable medium including computer executable code to carry out the method of claim 1.

Claim 10 (currently amended): A method for cleaning a media drive transducer head, comprising:

writing a data segment to a first portion of a cleaning tape under a first set of conditions; and

transporting a second portion of the cleaning tape over a transducer head under a second set of conditions associated with a cleaning process, wherein

the data segment ~~is associated with the position of~~ indicates that the second portion of the cleaning tape has been used for the cleaning process, and the second set of conditions varies from the first set of conditions.

Claim 11 (original): The method of claim 10, further including writing a plurality of data segments to the first portion of the cleaning tape, the plurality of data segments associated with a plurality of cleaning segments of the cleaning tape.

Claim 12 (original): The method of claim 11, wherein the plurality of data segments are written in at least two bands disposed laterally in the first portion of the cleaning tape.

Claim 13 (original): The method of claim 10, wherein the speed of the cleaning tape under the first set of conditions is greater than the speed of the cleaning tape under the second set of conditions.

Claim 14 (original): The method of claim 10, wherein the transducer head is moved according to a predefined algorithm under the second set of conditions.

Claim 15 (original): The method of claim 10, wherein the first portion of the cleaning tape is located adjacent the beginning of the cleaning tape.

Claim 16 (original): A computer readable medium including computer executable code to carry out the method of claim 10.

Claim 17 (currently amended): A media drive system, comprising:  
a media drive;  
a transducer head; and  
a drive reel adapted to transport a cleaning tape over the transducer head, wherein, the media drive is configured to:

determine a longitudinal end of data on the cleaning tape, the data associated with a previous cleaning process,

transport a portion of the cleaning tape over the transducer head under a first set of conditions, the first set of conditions associated with a cleaning process of the transducer head, and

transport the portion of the cleaning tape over the transducer head under a second set of conditions, the second set of conditions associated with a writing process.

Claim 18 (cancelled)

Claim 19 (currently amended): The media drive system of claim ~~[[18]]~~ 17, wherein the portion of the cleaning tape transported over the transducer head under the first set of conditions associated with the cleaning process is located adjacent the longitudinal end of data on the cleaning tape.

Claim 20 (original): The media drive system of claim 17, wherein the first set of conditions and the second set of conditions vary at least in the speed of the cleaning tape relative to the transducer head.

Claim 21 (currently amended): A media drive, comprising:

a media drive;

a transducer head; and

a drive reel adapted to transport a cleaning tape over the transducer head, wherein, the media drive is configured to:

write a data segment to a first portion of the cleaning tape under a first set of conditions,

transport a second portion of the cleaning tape over the transducer head under a second set of conditions associated with a cleaning process, wherein the data segment ~~is associated with the position of~~ indicates that the second portion of the cleaning tape has been used for the cleaning process, and the second set of conditions varies from the first set of conditions.

Claim 22 (original): The media drive of claim 21, wherein the media drive is further configured to write a plurality of data segments to the first portion of the cleaning tape, the plurality of data segments associated with a plurality of cleaning segments of the cleaning tape.

Claim 23 (original): The media drive of claim 21, wherein the speed of the cleaning tape under the first set of conditions is greater than the speed of the cleaning tape under the second set of conditions.